

**Agency Activity Inventory**  
**by Agency**  
**Appropriation Period: FY 2004-05**

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1226 Environmental Conservation**

Section includes programs that (1) eliminate or minimize adverse impacts from noxious aquatic plant populations on the access and use of public waters( Title 49, Chapter 6) , (2) coordinate agency review of environmental permits and other actions for the 38 inland counties, (3) provide analytical laboratory services and support to agency programs and activities, (4) promote river conservation through development and implementation of community-based management plans for the eight state scenic river segments, public education and outreach, and assistance with watershed and river corridor planning (Title 49, Chapter 6) , and (5) minimize the impact of floods and reduce flood related disaster costs through administration of the National Flood Insurance Program (NFIP), community assistance grants and training, and map modernization.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$6,844,344	\$938,919	\$4,785,792	Yes	\$1,119,633	19.80

**Expected Results:**

(1) Maintain control of nuisance aquatic plant populations in all major public water bodies; (2) Provide thorough review of all environmental review requests in a timely manner; (3) Provide accurate laboratory analytical results to requestors in a timely manner; (4) Develop and implement community-based scenic river and river corridor management plans, and increased public appreciation of river systems; and (5) Sustain statewide community participation in the National Flood Insurance Program, and improve flood maps by county statewide.

**Outcome Measures:**

(1) Total nuisance aquatic plant coverage in public waterways compared to previous years (FY04: 8,455 acres, 23% reduction from FY03, 80% from peak coverage); (2) Number of comprehensive environmental permit reviews processed compared to previous years (FY04: 140 permits, 1% increase from FY03); (3) Number of analyses conducted compared to previous years (FY04: 1,392 analyses, 48% increase from FY03); (4) Miles of rivers with active community-based management plans (FY04: 509 miles of rivers, 23% increase from FY00), public participation in River Sweep (FY04: 1600 volunteers picked up 34 tons of trash along public waterways); and (5) Percentage of communities participating in the National Flood Insurance Program compared to previous years (FY04: 88%, same as FY03) and percentage of state population affected by improved flood maps (FY04: 24%, up from 0% in FY03).

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**1227 Marine Shellfish Monitoring and Management**

Marine Shellfish stocks including oysters, hard clams, and whelks and their commercial and recreational harvest are assessed and managed via collection of commercial fisheries landings records, setting of seasons and permitting of growing and harvesting areas, shell planting, habitat restoration, and fishery-independent, scientific sampling. Statutory obligations are in Sections 50-5-320,360,and 380 and Article 9 of Chapter 5 of Title 50 of the Code of Laws.

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Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$883,442	\$272,013	\$203,154	Yes	\$408,275	18.22

**Expected Results:**

Marine Shellfish populations remain sufficient to provide commercial and recreational harvesters a reasonable opportunity to harvest abundant, high-quality shellfish species.

**Outcome Measures:**

During 2002, 82,510 bushels of oysters and 41,921 bushels of clams were harvested commercially for a combined value to the fisherman of \$2.4 million. Approximately 40,000 shell fishermen participate in the recreational fishery each year, harvesting on 24-state-maintained public and state shellfish grounds used exclusively for recreational harvesting. These public grounds are planted with shell to repopulate the areas on a rotating basis; in 2003, 29,028 bushels of recycled oyster and whelk shells were planted at six locations. The department issued 5,245 individual harvest permits and 186 culture permits in 2003-2004. Additionally, recycled shell from the public at fifteen department-maintained, recycled shell drop-off locations.

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### 1228 Marine Finfish Monitoring and Management

Marine Finfish stocks in S.C. territorial waters and adjacent oceanic waters are assessed and managed via collection of commercial fisheries landings records, interviews, logbooks and surveys of recreational fishermen, fish tagging studies, development of artificial reef habitats, and fishery-independent, scientific sampling of juveniles and adults of selected fish species of economic and social importance. Statutory obligations are in Articles 15,19, and 27 of Chapter 5 of Title 50 of the Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$3,288,818	\$688,959	\$2,022,945	Yes	\$576,914	44.52

**Expected Results:**

Population numbers and catch rates of targeted marine finfish remain sufficient to provide both resident and nonresident recreational fishermen a reasonable opportunity to successfully catch desired fish.

**Outcome Measures:**

Fish resources remain in good overall condition as represented by red drum, which remained the most targeted inshore marine finfish species. Although populations can fluctuate as a result of environmental conditions, catches of red drum remained very near the long term average with approximately 184,121 red drum being caught by S.C. recreational anglers. The DNR continued to maintain 44 artificial reefs, which continue to be productive with an estimated 80,000 + fishing trips annually by private and charter vessels generating over \$20 million in fishing relating expenditures. Of the \$688,959 in General Funds, \$19,311 is passed through to the South Atlantic Marine Fisheries Commission.

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**1229 Monitoring and Managing of Marine Crustacean Resources**

Marine crustacean stocks including blue crab, stone crab, and shrimp in the state waters are assessed and managed via scientific sampling, collection of setting harvest seasons and periods, collection of commercial fisheries landings records, and surveys of recreational fishermen. Statutory obligations are Articles 7, 11, and 13 of Chapter 5 of Title 50 of the Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$932,975	\$450,357	\$318,597	Yes	\$164,021	14.89

**Expected Results:**

Population numbers and catch rates of targeted crustaceans remain sufficient to provide both recreational and commercial fishermen and tourist a reasonable opportunity to successfully catch targeted crustacean species.

**Outcome Measures:**

Shrimp stocks remained healthy compared to long term indices. During 2003, about 3.96 million pounds of headed shrimp were landed by commercial vessels worth about \$8.7 million paid to the fisherman. Landing were higher than the long term average, however total value was relatively poor because of depressed domestic shrimp prices. The state's shrimp baiting fishery remains vibrant with 12,455 licenses sold in 2003 with an estimated total number of 58,533 trips. The estimated total recreational harvest was 1.873 million pounds. Blue crab stocks began to rebound in 2003 with landings of 4.3 million pounds with a value to the fishermen of \$4.3 million.

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**1230 Mariculture Aquaculture**

Permits are issued and compliance is monitored, outreach services are provided, and research into improved techniques for growing shrimp, clams, and fish in confinement is conducted along with animal disease studies. Statutory obligations are in Section 50-5-20 and Article 21 of Chapter 5 of Title 50 of the Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$1,858,558	\$936,821	\$675,407	Yes	\$246,330	25.35

**Expected Results:**

Technical assistance and applicable research will help sustain a healthy and profitable private shrimp, clam, and finfish farming industry, and non-native species will not present escapement or disease issues.

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**Outcome Measures:**

Aquaculture operations in the state appear to be profitable, but state law does not require reporting of harvest, therefore we cannot report actual production although it is estimated to be valued in the millions of dollars. Currently there are 25 private clam culturist using state bottoms, three private clam hatcheries, two production fish farms, six shrimp farms, and three horseshoe crab storage ponds are in operation.

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Education programs are conducted around the state through production of educational materials and on-site instruction. Statutory obligations are found throughout Chapter 5 of Title 50 of the SC Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$546,919	\$386,736	\$68,965	Yes	\$91,218	9.61

**Expected Results:**

The citizenry and public science teachers have a better understanding of the complex nature of the marine system and the environmental needs related to sustaining healthy marine resources.

**Outcome Measures:**

Through our continuing education programs and public tagging efforts, 77% of the recreationally harvested red drum and over 95% of the offshore billfish are returned to the water alive to grow and reproduce.

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Conduct routine, systematic survey of ecological and environmental health of marine ecosystem, protect critically important habitats, and provide comments to other agencies regarding impacts upon marine resources. Statutory obligations are found throughout Chapter 5 of Title 50 of the SC Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$2,102,145	\$514,352	\$1,333,944	Yes	\$253,849	21.10

**Expected Results:**

The DNR is able to monitor the health of the marine system and provide leadership in environmental related reactions required to sustain marine resources.

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**Outcome Measures:**

Water quality and habitat evaluations indicate that the general health of the marine ecosystem is being maintained.

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**1233 Special Marine Projects**

Conduct research and monitoring on non-harvested marine species and resources that are important to the quality of life for citizens, including sea turtles, whales, dolphin, and coastal hammock islands. Statutory obligations are found throughout Chapter 5 of Title 50 of the SC Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$560,122	\$107,920	\$411,343	Yes	\$40,859	4.30

**Expected Results:**

Critical information for sustaining marine animals and habitats important to the citizens of S.C. is collected and provided to managers and the public.

**Outcome Measures:**

Surveys and research have provided new information regarding the biological needs for special non-harvested marine resources and habitats of concern to the state.

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**1234 Game and fish licensing (Charleston Office)**

Administer game and fish licenses, particularly saltwater species, in the Charleston area. Statutory obligations are found in Title 50 of the SC Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$57,553	\$8,326	\$0	No	\$49,227	2.00

**Expected Results:**

Improve the quality of S.C. natural resources through the sale of licenses. Licenses are easily available to our constituents, both resident and nonresident.

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**Outcome Measures:**

License revenue level or increasing. Money is collected / receipted from license agents within 15 days of sale of licenses.

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**1235 Game and fish licensing (Columbia Office)**

Administer game and fish licensing through direct sales, over 900 license agents and Great Lodge - an Internet provider. Authorized in Title 50 of the S.C. Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$505,592	\$67,490	\$0	No	\$438,102	12.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through the sale of licenses. Licenses are easily available to our constituents - both resident and non-resident.

**Outcome Measures:**

License revenue level or increasing. Money is collected / receipted from license agents within 15 days of sale of licenses.

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**1236 Agency Support Services (Administration)**

Agency administration encompasses a wide variety of activities that promote and support the implementation of all agency functions and the overall management of the agency. The executive section of the agency provides the leadership, direction, and policy recommendations used in carrying out statutory obligations, board policies and agency goals. Functions included in the executive office include constituent services, human resources, audit, legal, and legislative. Administrative functions provide day-to-day operation of the agency. The administrative section includes accounting, budget, grants, procurement, fixed assets, equipment, information technology, web services, GIS and engineering. Authorized in 1-30-75 of the Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$5,068,361	\$3,603,322	\$0	No	\$1,465,039	93.00

**Expected Results:**

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Agency managers, state officials, and the Legislature have confidence in the agency's financial and support information and can use it to make decisions affecting our natural resources. Facilities and vehicles are well maintained, safe, and efficient. Agency staff receive secure, high quality desktop support and network services. Managers and supervisors possess the highest quality communication, performance management, hiring and leadership skills. This creates a safe, supportive and diverse work environment by providing comprehensive human resource services.

**Outcome Measures:**

Functions such as accounting, budget, grants, procurement, fixed assets, and human resources are measured through annual audits. Support functions of the agency are no more than 10% of the total budget.

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**1237 Provide public information**

External agency communications with the public and the media through the following activities: news releases, ETV show, publications, public speaking, responses to requests for information and informational videos. The Administrative Procedures Act requires that the public be provided with regulatory information.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$467,568	\$467,568	\$0	No	\$0	16.50

**Expected Results:**

Improve the quality of South Carolina's natural resources through communication with our constituents. The public will better understand and appreciate our natural resources and become better stewards of them.

**Outcome Measures:**

News releases are provided to 192 outlets weekly; the ETV show airs daily on the South Carolina digital channel and monthly on the SCETV network; over 200 publications ranging from the annual hunting/fishing rules and regulations to a list of public dove fields to migratory waterfowl regulations are designed and printed annually; and informational videos on such topics as boating safety, oyster shell recycling, and Camp Wildwood are produced. Effectiveness of news releases is measured by the number of news outlets "picking up" our message for their medium. The ETV show continues to be requested by ETV based on positive feedback from their viewing public. Public demand continues to drive the production of informational publications and videos.

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**1238 Provide outreach and education services**

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Continue a positive relationship with the public by providing educational and outreach opportunities: Junior Duck Stamp, Camp Wildwood, animal programs, Jocassee Education, Project WILD, Aquatic WILD, Advanced WILD, Becoming an Outdoors Woman, Palmetto Sportsman's Classic, Reel Kids and Reel Art.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$486,970	\$344,557	\$106,563	Yes	\$35,850	7.50

**Expected Results:**

Improve the quality of South Carolina's natural resources through communication with our constituents. The public is educated about the agency's work and role in natural resource protection and understands the policies the agency is developing and the opportunities available to influence the agency's decisions.

**Outcome Measures:**

Over 300 animal programs are given during the school year giving approximately 16,000 school children the opportunity to learn about animals native to South Carolina. The success of this long standing program is measured by the number of schools requesting to be put on a waiting list - over 500 in the 03-04 school year. Reaching students in K - 12, the Junior Duck Stamp art competition combines artistic talent with science as the participants learn what types of water fowl live in South Carolina and the types of habitat that exist for these waterfowl. Becoming an Outdoors Woman (BOW) provides women the opportunity to learn outdoor skills such as hunting, fishing, kayaking, camping in a relaxed, non-intimidating environment. Success is measured through class evaluations. The BOW program is consistently scored as excellent or very good by our participants. The success of the Junior Duck Stamp competition is measured by the number of schools submitting artwork and the number of private entities providing assistance with the funding of this program.

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**1239 South Carolina Wildlife (SCW) Magazine**

Produce the nationally recognized South Carolina Wildlife magazine, begun in 1954 and regarded as the Ambassador for outdoor South Carolina, reaches a growing list of subscribers and readers in a bimonthly full color publication. Proviso 24.4 of the General Appropriation Act.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$1,041,484	\$0	\$0	No	\$1,041,484	9.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through the readership of this publication. The public will better understand and appreciate our natural resources and become better stewards of them. SCW magazine is a product that challenges, entertains and educates.

**Outcome Measures:**

Paid subscribers total over 62,000 giving the magazine an approximate readership of 248,000 with 20% being



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nonresidents. The DNR Board felt so strongly that the magazine was a learning tool, they personally funded school library subscriptions for three years. By placing SCW in over 1,700 schools, a natural resource message is delivered to school children across the state. Letters from teachers indicate they use SCW as an aide while teaching South Carolina history, geography and science. The magazine maintains a 64% renewal rate and a 33% new business rate.

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**1240 Manage and grow the Wildlife Shop**

The Wildlife Shop exists to support the South Carolina Wildlife magazine. In a report provided by the Legislative Audit Council, it was noted that "increasing the sale of wildlife magazine products may be the best way to increase magazine revenues."

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$396,052	\$0	\$0	No	\$396,052	3.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through the Wildlife Shop. The Wildlife Shop will show a profit and that profit will be invested in the production of South Carolina Wildlife magazine.

**Outcome Measures:**

The Wildlife Shop showed a profit of over \$100,000 in FY 03, and over \$71,000 for the first six months of FY 04. Final figures for FY 04 will not be available until the books close in August 2004.

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**1241 Provide the registration and titling of watercraft and outboard motors as required by law**

Process renewals, new registrations, titles, and transfers of watercraft. Submit records to county treasurer for tax purposes. Authorized by Title 50, Chapter 23 of the Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$1,873,491	\$0	\$0	No	\$1,873,491	27.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through increased public awareness of boat registration requirements; and to promptly process customer transactions.

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**Outcome Measures:**

Less than 1% of all transactions result in a complaint - either verbal or written. Mail transactions are processed within three to five business days during the non-peak season and five to seven business days during the peak season.

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**1242 Wildlife Regional Operations**

Natural resource biologists and technicians utilize current technology and science to manage and protect wildlife species and their habitats throughout the state. Activities range from direct habitat manipulation on thousands of acres to collection of survey and monitoring data in coordination with Statewide Projects. Technical wildlife management expertise is provided to private landowners, industry leaders and other governmental agencies. Regional Operations includes the activities of the Environmental Program to further ensure the protection of wildlife resources.

<b>FY 2004-05</b>					
<b>Total</b>	<b>General Funds</b>	<b>Federal Funds</b>	<b>FM</b>	<b>Other Funds</b>	<b>FTEs</b>
\$6,553,058	\$0	\$2,051,336	Yes	\$4,501,722	78.50

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**Expected Results:**

Provide over 1 million acres of land for outdoor recreation through the administration of 39 cooperative wildlife management area agreements. Manage over 176,861 acres of DNR owned wildlife management areas and Heritage Preserves. Provide special hunting opportunities for over 800 youth and over 100 mobility impaired sportsmen. Review over 400 environmental permit applications annually.

**Outcome Measures:**

Over 615,000 man-days of hunting will be provided annually through 67 Wildlife Management Areas, 32 public waterfowl areas and 47 public dove fields. Through the Draw Hunt Program staff will conduct a minimum of 168 separate hunts for deer, turkey, waterfowl and quail and accommodate almost 5,000 participants. Wildlife habitat will be protected and/or enhanced on over 19 DNR-owned Wildlife Management Areas and 54 Heritage Preserves requiring maintenance of 480 miles of roads and trails, 428 miles of dike, 236 miles of fire lanes, over 10,000 acres of managed wetlands and over 8,000 acres of annual agricultural activity.

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**1243 Statewide Projects - Wildlife Section**

A broad team of natural resource biologists and technicians utilize current technology and science to research, monitor and survey a broad range of native wildlife species or suites of species including non-game, game and endangered vertebrates. These individuals plan, direct and collaborate with Wildlife Section Regional Projects in this activity.

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Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$3,374,598	\$240,124	\$834,669	Yes	\$2,299,805	43.67

**Expected Results:**

Information gathered from these efforts provide data and other information upon which the management of species and habitats are based.

**Outcome Measures:**

Collect and publish population and location information for endangered and threatened vertebrates. Demonstrate stable to increasing population levels for non-game, game and endangered vertebrates. Provide information these population levels, trends and management to colleagues, other resource agencies and the public.

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**1244 District Operations**

Activities are carried out on a regional and statewide basis to protect, conserve and enhance South Carolina's freshwater fishery and other aquatic resources. The management and conservation of these resources are supported through the collection, evaluation and dissemination of relevant data needed to make recommendations. Impacts and potential impacts to the aquatic resource are assessed and actions taken to minimize, eliminate or correct resource damage. Opportunities for habitat enhancement are sought.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$2,626,897	\$0	\$1,842,977	Yes	\$783,920	34.00

**Expected Results:**

Provide information needed to make informed decisions regarding the conservation and enhancement of the state's fisheries resources on a statewide and regional basis so that resource may continue to sustain recreational fishing. Technical recommendations relating to environmental impacts will aid in protecting the resource of the state and assist in developing more compatible plans for resource use. The investigation of fish mortalities will lead to a better understanding of their cause and prevention and in selected cases provide the State with a means of mitigating the resource loss. The result of habit enhancement and rehabilitation is an increase in fishing opportunities available to the angler. Additionally, some of these areas should provide nursery habitat to enhance survival and recruitment of reproduction.

**Outcome Measures:**

Freshwater fishing in South Carolina has an economic impact of over \$717 million annually. South Carolina maintains approximately 450,000 licensed anglers. A survey of South Carolina's licensed anglers indicated that 82% are satisfied with the performance of the freshwater fisheries activities conducted by the department. A survey of South Carolina's general population shows that while 35% of the population does not know enough about DNR to rate its performance, 52% feel DNR is doing a good or excellent job managing the State's fishery resources. Also, approximately 50 lakes, reservoirs, rivers and streams are surveyed annually. Habitat

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enhancement activities and fish concentration areas are maintained at 157 sites. Environmental permits are reviewed for approximately 50 projects and approximately 70 fish kill events are investigated on an annual basis.

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### 1245 Hatchery Operations

The objective of the activity is to maintain hatchery facilities in sufficient number and in proper repair so as to allow for the production of various fish species of adequate number and size to meet resource management objectives and to provide DNR-operated public lake facilities for recreational opportunities. The agency operates and maintains four warm water hatcheries and one cold water hatchery. The agency currently maintains 18 public fishing lakes.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$1,721,294	\$0	\$330,137	Yes	\$1,391,157	33.00

**Expected Results:**

To make available recreational fishing opportunities in managed small impoundments available to the public, which provide access to both boat and bank anglers. To produce various fish species of the appropriate size and appropriate numbers needed to maintain and enhance recreational fishing opportunities and other management objectives.

**Outcome Measures:**

In a survey of South Carolina's licensed anglers 40% indicated they fished DNR's public fishing lake's. The agency's hatchery system produced over 10,000,000 fish of 10 different species for stocking in public waters to provide public fishing opportunities or meet other management objectives. Fishing for stripped bass or cold water trout generates an economic impact in excess of \$93.9 million and \$17.4 million, respectively. In South Carolina, the products from DNR's fish hatcheries support approximately 80% of the striped bass fishery and 90% of the cold water trout fishery.

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### 1246 Rediversion

Activities meant to achieve restoration of anadromous fish passage into the Santee Cooper Lake System to levels that existed before the construction of the Cooper River Rediversion Project and to work toward the restoration of diadromous species in other river systems in South Carolina primarily through the FERC re-licensing process.

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Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$234,001	\$32,236	\$201,765	Yes	\$0	3.00

**Expected Results:**

Provide passage of American shad, blueback herring and other anadromous species at Pinopolis Dam and at the St. Stevens Fish Lift at levels equivalent to those occurring prior to redirection. Have diadromous species issues addressed in other river systems as dams in these systems under go relicensing.

**Outcome Measures:**

During FY 04, fish biomass of approximately 3.3 million herring units were passed at the Pinopolis Dam. Fish passage estimates at the St. Stephen fish lift were 41,800 blueback herring, 151,000, American shad and 1,200 other species. Fish passage were addressed at facilities at Savannah River, Broad River, Wateree River and the Pee Dee River system. A survey of South Carolina's general population revealed that 78% residents agree that fish passage should be provided where dams block fish migration routes and adversely impact the population.

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**1247 Enforce game, fish and related natural resource laws**

Enforce the hunting, fishing and boating laws as mandated by state and federal laws to insure protection of life, property, and natural resources. Assist other state law enforcement agencies with homeland security, litter violations, executive protection and natural disasters and general law enforcement support functions for public safety matters.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$13,805,701	\$5,548,009	\$1,135,653	Yes	\$7,122,039	280.74

**Expected Results:**

Improve the quality of South Carolina's natural resources through the protection of the state's natural resources and by insuring the safety of our resource users.

**Outcome Measures:**

Violations of natural resource laws are tracked through a ticket and warning system.

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**1248 Provide aviation services**

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Provide air support in the enforcement of game, fish and boating laws as mandated by state and federal law. Assist in the apprehension of violators. Assist biological staff with surveys.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$658,000	\$0	\$0	No	\$658,000	1.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through the protection of the state's natural resources.

**Outcome Measures:**

Flight logs correlate to natural resource protection and management.

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**1249 Provide staff development and training to agency law enforcement officers.**

Provide staff development and training to agency law enforcement officers. Conduct training for these officers and deputy law enforcement officers. Maintain updated certification with the Criminal Justice Academy on DNR officers.

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Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$150,000	\$150,000	\$0	No	\$0	1.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through the protection of the state's natural resources.  
Trained officers provide a higher quality of service.

**Outcome Measures:**

Certification on officers is maintained.

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**1250 Maintain a victim's assistance program**

Enforce the hunting, fishing and boating laws as mandated by state and federal laws to insure protection of life, property, and natural resources. Assist other state law enforcement agencies with homeland security, litter violations, executive protection and natural disasters and general law enforcement support functions for public safety matters. The Victim Assistance program assists those individuals and their families who have been impacted by natural resources related crimes such as boating under

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the influence, negligent or reckless operation of a boat, negligent hunting accidents and negligent use of a firearm. This service includes, but not limited to, notification of rights, case status, assistance with the State Office of Victims Assistance, counseling services, and information regarding the criminal justice system and court processes. This program is authorized by Act 343 of 1997.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$41,102	\$0	\$41,102	Yes	\$0	1.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through the protection of the state's natural resources and by insuring the safety of our resource users.

**Outcome Measures:**

Violations of natural resource laws are tracked through a ticket and warning system.

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1251 Services provided through County Funds**

As stated in statute 50-9-910, county game and fish funds must be expended in the respective counties for the protection, promotion, propagation and management of wildlife and fish and the enforcement of related laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$1,003,687	\$0	\$0	No	\$1,003,687	0.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through services provided through county funds.

**Outcome Measures:**

Feedback is provided through constituents in the counties.

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1252 Provide hunter education and promote hunter safety.**

Educate the public, making them better informed of the benefits of hunting as a resource management tool and promote safe and ethical hunting.

**Agency Activity Inventory  
by Agency  
Appropriation Period: FY 2004-05**

	FY 2004-05					FTEs
Total	General Funds	Federal Funds	FM	Other Funds		
\$848,434	\$0	\$663,327	Yes	\$185,107		9.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through hunter education and hunter safety.

**Outcome Measures:**

Hunter safety is measured through the number of safety courses given and the number of hunting accidents/fatalities annually. Additional information is maintained on promotion of hunting activities through participation in agency programs such as Take One, Make One (TOMO) and Becoming an Outdoors Woman (BOW)

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1253 Enforce boating safety laws and investigate boating accidents**

Enforce boating safety laws as mandated by state and federal law. Promote safe boating. Investigate boating accidents

	FY 2004-05					FTEs
Total	General Funds	Federal Funds	FM	Other Funds		
\$1,208,271	\$0	\$1,208,271	Yes	\$0		15.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through safer boating activities thus reducing boating fatalities.

**Outcome Measures:**

Violators of boating laws are ticketed. Boating fatality statistics are maintained by the agency.

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1254 Purchase law enforcement equipment**

Purchase equipment including vehicles and boats for the support of law enforcement



**Agency Activity Inventory  
by Agency  
Appropriation Period: FY 2004-05**

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$990,786	\$0	\$0	No	\$990,786	0.00

**Expected Results:**

Improve the quality of life of South Carolina's natural resources by providing more efficient services.

**Outcome Measures:**

Replacement of aging equipment.

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

### 1255 Provide boating access facility assistance

Provide assistance to state, county and municipal governmental entities in the design, construction and renovation of boating access facilities.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$358,243	\$0	\$0	No	\$358,243	5.00

**Expected Results:**

Improve the quality of South Carolina's natural resources through meeting current and future usage demands for boating access facilities and by renovating existing facilities or constructing new facilities.

**Outcome Measures:**

A yearly inspection program has been established to determine the conditions and usage capacities of existing boating access facilities. Based on these inspections, repairs or renovations will be made to the facility. A quantitative measure of the expected results is the number of boating facilities that are repaired or renovated in a given year.

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

### 1256 Heritage Trust Program

Identify, protect and manage the state's most significant natural areas and archaeological sites under the direction of the Heritage Trust Advisory Board. Authorized by Title 51, Chapter 17 of the Code of Laws.

**Agency Activity Inventory  
by Agency  
Appropriation Period: FY 2004-05**

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$780,424	\$241,482	\$27,137	Yes	\$511,805	15.50

**Expected Results:**

Targeted land acquisitions result in the most significant properties being reserved from development or intensive economic use; unique elements of the state's natural cultural heritage are protected, while development conflicts are minimized.

**Outcome Measures:**

Sixty nine preserves, encompassing 80,000 acres have been protected under the Heritage Trust statute since the programs inception in 1976. Approximately 6,000 acres, protecting 239 significant archaeological resources and plant or animal species of concern, were acquired in the last five years.

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1257 Conservation Districts**

The Conservation Districts Section is responsible for maintaining the organization of the state's 46 soil and water conservation districts and serves as one mechanism through which the programs of the Department are channeled to the local level. Guidance and training are provided to the 230 Conservation District Commissioners on their duties and responsibilities as public officials communication is facilitated between conservation districts. Technical assistance is provided at the local level ranging from agricultural conservation practices, urban erosion and sediment control, water quality projects, and wildlife habitat management. The Section assists conservation districts with administration of the Watershed Conservation Districts Law and with public awareness programs. Authorized by Title 48, Chapter 11 of the Code of Laws

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$1,610,789	\$1,460,789	\$150,000	Yes	\$0	26.00

**Expected Results:**

An effective Conservation Districts network due to financial and staff support; enhanced soil and water resources due to application of practices by land users; conservation of natural resources by an informed public.

**Outcome Measures:**

230 active Conservation District Commissioners; 46 functional Soil and Water Conservation Districts; 8 million acres covered under a conservation plan through the conservation districts; 185 active Watershed Directors; 35 functioning Watershed Conservation Districts; and oversight of 75 watershed dams and approximately 300 miles of channels.  
Of the \$1,460,789 in General Funds, \$9,000 is passed through to each of the 46 conservation districts, totalling \$414,000.

**Agency Activity Inventory  
by Agency  
Appropriation Period: FY 2004-05**

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1258 South Carolina State Climatology Office (SCO)**

The SCO represents the State in all climatologically and meteorological matters and serves as the State's archive for climate data, reports, and research. Hazard mitigation for severe weather events, such as hurricanes, droughts, tornadoes, floods, and ice/snow storms, is a critical area of responsibility. The office administers the South Carolina Drought Response Program. Authorized by Title 49, Chapter 25 of The Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$240,944	\$240,944	\$0	No	\$0	4.00

**Expected Results:**

Provide timely, high-quality climate services. Distribute climate hazard and climate advisories and warnings to local, state, federal, and regional decision-makers. Continue improving drought monitoring and response in South Carolina. Prepare and issue timely on-line summaries, statements, and news releases concerning regional climate anomalies and impacts. Conduct applied research and develop new climate products that focus on relationships between climate and human activities and major regional issues such as water resources.

**Outcome Measures:**

Statistics on end-user information queries: FY03-04: 560 requests for climate information and 160 media interviews. Information retrievals from SCO web site: average 20,000 per month. Issued: 52 weekly summaries, 3 event summaries, 1 peer-reviewed publication, 15 presentations, 8 press releases. Weather briefings to State agencies and the State Emergency Operations Center were provided during Hurricane Isabel and five winter weather events. Gathered and approved 255 Drought Response Plans and Ordinances from water systems across the state to fulfill the requirements of the Drought Response Act of 2000. Began production of SC Weather Calendar.

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

**1259 Southeast Regional Climate Center (SERCC)**

The SERCC provides applied research and information services to Alabama, Florida, North Carolina, South Carolina, Virginia, Puerto Rico, and the U.S. Virgin Islands. Services include answering customer inquiries as received via telephone, fax, or e-mail. Local web sites are maintained to provide access to a full range of local, state, regional, and national climatologically data and information. Services also include interaction with customers and potential customers to ensure that local needs for climatologically data and information are readily known. Applied research includes developing programs to analyze current climatic conditions and trends from climatology, generating products and providing access to climate relationship models for monitoring regional conditions, and assessing climate impacts.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$475,000	\$25,000	\$150,000	No	\$300,000	8.00

## Agency Activity Inventory by Agency Appropriation Period: FY 2004-05

### Expected Results:

The SERCC responds to user requests, provides access to and hosts climatologically databases and on-line information, and maintains contact with users. It develops automated climate monitoring products. Participation in the construction of the pre-1948 historical hourly precipitation database will continue. Long-term activities will be continued on automated observing systems and meson-network applications by (a) participation in Climate Reference Network (CRN) site selection and deployment efforts, (b) collaboration with meson-network operators on instrumentation issues, and (c) near-real time acquisition, archival, and integration of meson-network data with NOAA data. The SERCC will participate in database development and implementation.

### Outcome Measures:

Statistics on end-user information queries (FY03 example: 2,487 requests for climate information, 350 invoices, \$15,036 in revenue). Internet usage (FY03: 6,600,575 page hits or 545,361 per month). Database queries (FY03: 56,244). Near-real time weather stations ingested into databases (FY03: 23,636). Climate reports (FY03: 467). Weather station installation (FY03: 6 installations in Alabama, Arkansas, Kentucky, and Virginia). CRN site surveys (FY03: 48 surveys in eight states). Peer-review publications, technical documentation, and professional presentations (FY03: 3 publications, 5 presentations).

**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

### 1260 Geological Survey

The Geological Survey collects and creates geologic information and distributes it to the public, other State agencies, and private industry on a statewide basis. The purpose of such information is to provide advice and assistance in the decision-making process (48-22-40-2). Stakeholders and the STATEMAP Advisory Committee identify critical areas needing new geologic information. Critical areas are those areas in which environmental protection, economic development, or land-use issues need to be addressed from a geologic perspective (48-22-40-2). Following prioritization of critical area needs, mapping and information gathering are conducted, and maps or reports are prepared.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$690,859	\$490,859	\$200,000	Yes	\$0	9.00

### Expected Results:

Once gathered, reliable geologic information has a long shelf life. Continual accumulation of new, and refinement of existing, geologic information (48-22-40-2) cuts both lead time for and costs of the information. The availability of such information can help in mitigation of environmental problems, stimulation of economic development, or protection of the public and their property. Value is added by placing new or refined geologic information in an electronic format. In such a format, a variety of media (i.e., email, CD, or printed-upon-demand hard copy) can then be used to disseminate information rapidly to stakeholders and private industry (48-22-4-3). Derivative products also are placed in that format to maximize available resources.

### Outcome Measures:

During FY04, economic development projects requested geologic information for 35 counties. New maps covering 546 square miles were produced of the Jocassee Gorges, Bluffton, Lake Marion, and Greenville-

## Agency Activity Inventory by Agency Appropriation Period: FY 2004-05

Spartanburg areas (defined critical areas). Approximately 8,400 observations were made in Piedmont map areas, and 191 power auger holes were drilled in the two Coastal Plain areas. 8 cross sections were drawn to complement that mapping. In addition, maps covering 783 square miles of either the Piedmont or ACE Basin were refined electronically. Three derivative products also were produced; 21 photographs and 3 graphics added value to final electronic products. Two papers were presented at a Geological Society of America meeting, and Volume 44 of South Carolina Geology was published.

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**Agency:** P24 - Department of Natural Resources

**Functional Group:** Conservation,  
Natural Resources

### 1261 Hydrology Section

The Hydrology Section monitors and assesses the availability and use of the State's water resources, formulates water resources policy, and establishes guidelines for the effective management of the State's water resources. It conducts hydrologic studies to determine where and how much water is available and develops analytical models and methodologies that are used to minimize conflicts during water shortages and to develop allocation mechanisms for the long-term sustainability of the resource. It monitors streamflows, lake levels, and ground water levels to determine current hydrologic conditions and to analyze seasonal and long-term trends regarding the availability of water. Staff provide technical assistance and advice to the Governor, General Assembly, and South Carolinians concerning water-related issues and provide technical support to policy makers who are negotiating water rights with neighboring states. Authorized by Title 49, Chapter 3 of the Code of Laws.

FY 2004-05					
Total	General Funds	Federal Funds	FM	Other Funds	FTEs
\$1,073,777	\$1,073,777	\$0	No	\$0	12.00

#### Expected Results:

Accurate & timely information regarding the availability & use of water in our lakes, streams, and aquifers is provided to customers to aid future planning and development. Data collected from monitoring stations and other sources are compiled, analyzed, and disseminated to water resources managers and the public via technical reports, public presentations, brochures, newsletters, and the agency's web page so that sound decisions can be made at the local, county, and State levels regarding water resources. Surface and ground water flow models are developed and used as management tools to predict the impacts that withdrawals and diversions have on other users of the resource and on the environment. Policies are formulated to ensure that water of suitable quality and quantity is available for use when and where it is needed and to save lives and minimize property damage caused by extreme events such as floods and droughts. Sound scientific information is provided to State negotiators to ensure that South Carolina's water rights are protected.

#### Outcome Measures:

Timely responses to questions from the Governor, General Assembly, & general public regarding water-related issues. The availability of data on the DNR homepage about hydrologic conditions in the State, including flood stage and drought phase. The availability of publications, technical reports, maps, and brochures to assist the management of water resources at all levels of government. Six technical reports were published this past year, including the SC Water Plan. Representation in negotiating FERC re-licensing of all non-Federal lakes in N.C. & S.C. to ensure river flow rates are sufficient to protect fish and wildlife, water quality, water supply, and navigation. Other measures: number of geophysical surveys conducted, number of monitoring stations added to

**Agency Activity Inventory  
by Agency  
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the network, number of well records added to the database. Several hundred well records were added to the database in the past year. Ground water levels are measured in 56 wells; surface water flows are measured at more than 100 stations; saltwater intrusion is measured at 5 stations.

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**AGENCY TOTALS**

*Department of Natural Resources*

<b>TOTAL AGENCY FUNDS</b>	<b>TOTAL GENERAL FUNDS</b>	<b>TOTAL FEDERAL FUNDS</b>	<b>TOTAL OTHER FUNDS</b>	<b>TOTAL FTEs</b>
\$65,360,259	\$18,290,560	\$18,763,084	\$28,306,615	907.20